

## **METHOD FOR NONINVASIVE CONTINUOUS DETERMINATION OF PHYSIOLOGIC CHARACTERISTICS**

### **ABSTRACT**

5           The invention comprises methods for noninvasively monitoring physiological  
characteristics of a patient's blood. Determinations of blood constituent concentrations  
may be made by comparing absorbance of radiation at varying parameters, such as path  
length and blood pressure. Preferably, changes in pressure are effected by changing the  
height of the probes relative to the patient's heart. Determinations of blood pH may be  
10       made by comparing absorbance of the blood at different wavelengths. The temperature of  
the blood, and thus of the patient's core, may also be accurately determined. Further,  
cardiac output characteristics and blood pressures may be noninvasively determined using  
the methods of the invention.

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